

STATE PROCUREMENT OFFICE  
NOTICE & REQUEST FOR SOLE SOURCE

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ADMINISTRATION  
STATE PROCUREMENT OFF  
STATE OF HAWAII

TO: Chief Procurement Officer

FROM: Dept. of Accounting and General Services

*Name of Requesting Department*

Pursuant to HRS §103D-306 and HAR chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Describe the goods, services, or construction to be procured.

Expansion of Trunk Radio Coverage of the Existing Statewide Shared Blended (SSB) Land Mobile Radio System.

See attached.

2. Vendor/Contractor/Service Provider Name:

EF Johnson, 1440 Corporate Drive, Irving, TX 75038

3. Amount of Request:

Approx. \$4,360,000

4. Term of contract (shall not exceed 12 months), if applicable:

From: Notice to Proceed (NTP) Date To: 1 year from NTP

5. Prior SPO-001, Sole Source (SS) No.:

12-050K

6. Describe in detail the following:

a. The unique features, characteristics, or capabilities of the goods, service or construction.

See attached.

b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department

See attached.

7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

See attached.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

See attached.

9. Identify the primary responsible staff person(s) conducting and managing this procurement. (Appropriate delegated procurement authority and completion of mandatory training required.)

\*Point of contact (Place asterisk after name of person to contact for additional information).

Name	Division/Agency	Phone Number	E-mail Address
Robert Hlivak	ICSD	808-586-1930 x613	Robert.J.Hlivak@hawaii.gov
Gina Ichiyama *	PWD	808-586-0472	gina.e.ichiyama@hawaii.gov

Department shall ensure adherence to applicable administrative and statutory requirements, including HAR chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

**All requirements/approvals and internal controls for this expenditure is the responsibility of the department.  
I certify that the information provided is to the best of my knowledge, true and correct.**



Department Head Signature

4-17-14

Date

**For Chief Procurement Officer Use Only**

Date Notice Posted: 4/22/2014

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

state.procurement.office@hawaii.gov

Chief Procurement Officer (CPO) Comments:

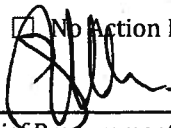
Approval is granted for the period from the Notice to Proceed date to one year from the Notice to Proceed date and is based on EF Johnson as the only authorized dealer to provide a turnkey expansion of the Statewide Shared Blended land mobile radio system to interconnect with the State's existing SSB mobile radio system. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112, shall apply (i.e. vendor is required to be compliant on the Hawaii Compliance Express) and award is required to be posted on the Awards Reporting System. Sole source contracts in excess of \$100,000 required cost or pricing data pursuant to HAR chapter 3-122, subchapter 15 and copies of the HCE certificate and awards posting are required to be documented in the procurement/contract file.

If there are any questions, please contact Stanton Mato at 586-0566, or email [stanton.d.mato@hawaii.gov](mailto:stanton.d.mato@hawaii.gov).

☒ Approved

☐ Disapproved

☒ No Action Required

  
Chief Procurement Officer Signature

8/5/14  
Date

Attachment to NOTICE & REQUEST FOR SOLE SOURCE, FORM SPO-001

Vendor: EF Johnson

for

Expansion of Trunk Radio Coverage of the Existing Statewide Shared Blended (SSB)  
Land Mobile Radio (LMR) System

1. Describe the goods, services, or construction to be procured.

Expansion of Trunk Radio Coverage of the Existing Statewide Shared Blended (SSB)  
Land Mobile Radio (LMR) System.

Turnkey project to design, engineer, furnish, install, test, and integrate into the existing statewide public safety land mobile radio system the equipment, systems, and software to expand trunking radio coverage on Oahu and selected areas of Hawaii County as well as add capabilities to the SSB radio system to support encryption and interoperability. The project to expand and extend the existing Statewide Shared Blended (SSB) radio system includes, but is not limited to: eight new 5-channel trunk radio sites on Oahu; antenna system upgrades at Round Top, Mt. Kaala, and other locations; one to three (depending on available funding and options selected) new 5-channel trunk radio sites in Hawaii county; and relocation of non-simulcast equipment from Hilo SOB to Puu Nana, Molokai. All of the trunking systems are Project 25 Phase 1 compliant and operate in the 700 MHz public safety band. The project also includes furnishing and/or integrating into the SSB existing and/or new VHF and 800 MHz band conventional radio equipment to facilitate interoperability; addition of equipment and software to enable encryption of law enforcement talk groups; provisioning of a limited amount of subscriber equipment for testing purposes; and system spare parts. The SSB was originally procured competitively through RFP CA 2908 issued in January 2009 at a cost of \$3,263,216. The State has invested at least an additional \$2.5M since that initial procurement. The cost of this project is estimated to be between \$3,560,000 and \$4,360,000, depending upon options exercised regarding sites on the Big Island. The DAGS Information and Communication Services Division will control, manage, and maintain the installed equipment upon final acceptance. Incremental payment terms shall be established with the vendor by DAGS based upon performance milestones.

4. Term of contract (shall not exceed 12 months), if applicable:

All work shall be completed within one calendar year from the date the expending agency issues a Notice To Proceed (NTP) to the vendor. Warranty coverage shall extend one calendar year after final acceptance of the turnkey expansion of the SSB land mobile radio system. It is estimated that the NTP may be issued in June or July 2014.

6. Describe in detail the following:

- 6a. The unique features, characteristics, or capabilities of the goods, service or construction.

The turnkey system expansion of the SSB P25 standard based land mobile radio system requires the procurement of radio systems and equipment that can be interconnected with and controlled by the State's existing SSB P25 infrastructure; in this case that

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infrastructure was designed, manufactured, and installed by EF Johnson. The SSB is one of the few Project 25 (P25) systems in the United States that has been designed and implemented to operate with the P25 Phase 1 Common Air Interface (CAI) standard in its most vendor-neutral form, i.e. the ICSD has prohibited the enabling of any of the vendor specific options permitted by the CAI standard. This forced "simple" implementation of the CAI allows State agency users to competitively procure P25 compliant subscriber equipment (portable and mobile radios) from any vendor. The P25 standards for infrastructure components that would have enabled mixing of system infrastructure equipment either do not apply to trunking systems (e.g. the Fixed Station Interface standard) or are not now expected to be completed (e.g. the Network Management Interface standard). As currently issued, the suite of P25 standards treats the system control infrastructure and trunking repeater stations as part of a single entity recognizing that the complexity and uniqueness of each implementation (such as the SSB infrastructure) does not permit the intermixing of different vendor's products in the system core. The repeaters, system interface and control equipment, and the firmware and software provided by EF Johnson are the only items of their type that can seamlessly integrate into and operate with the existing infrastructure elements used to interconnect, manage, provision, operate, control, monitor, and communicate on the SSB land mobile radio system. The SSB expansion requested herein can only be accomplished by purchasing equipment and the services described from EF Johnson.

6b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department.

The DAGS Information and Communication Services Division (ICSD) operates the SSB system as a public safety grade land mobile radio system utility for the agencies of the State of Hawaii. The ICSD manages the SSB, sharing those duties with the County of Maui Police Department regarding system components that provide services to Maui county. State agencies served by the SSB include, but are not limited to, DPS Sheriff, Narcotics Enforcement, and Corrections Divisions; State Civil Defense; Department of Land and Natural Resources; and the Department of Transportation Harbors Division. As it expands, the SSB is taking the place of single agency ("stovepipe") systems, thereby providing the State of Hawaii with a unified and interoperable approach to serving agency missions that relate to safety of life, health, property, and the environment. The turnkey system expansion requested here will provide coverage and capacity upgrades required to support agency missions. The EF Johnson provided SSB land mobile system provides a shared land mobile radio resource that interconnects both conventional and trucking radio infrastructure that currently includes radio repeaters that operate in either the 700 MHz public safety band or the 800 MHz NPSPAC public safety band. The design of the SSB system frees users from any concern regarding frequency selection; additional user interaction is only required to select the correct radio site when using the location dependent coverage available from the conventional repeater infrastructure portion of the system.

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7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

Because of the inability to purchase radio frequency subsystem equipment (repeaters, etc.) and management and control subsystem equipment from manufacturers other than EF Johnson that can and will function on the SSB, the ICSD is limited to purchasing from the SSB's Original Equipment Manufacturer. ICSD is aware of the state of the art of equipment and systems available from major land mobile radio infrastructure vendors other than EF Johnson and is unaware of any components or subsystems manufactured by other vendors that could be used in lieu of that available from EF Johnson for any portion of this procurement. The only way another vendor could provide the turnkey expansion requested would be to replace the entire existing installed and working SSB radio infrastructure as well as provide the turnkey expansion.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

Although many of the individual EF Johnson equipment items are available through the Western States Contracting Alliance (WSCA) cooperative purchasing agreement, the specific turnkey system described above for the SSB network expansion includes specialized services for turnkey design, installation and maintenance are not fully listed under the WSCA. However, the ICSD understands that WSCA pricing has been extended to the State of Hawaii for items of this purchase that are on the cooperative purchasing agreement.